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APPLICATION NUMBER : 05327477

APPLICANT : SEKISUI CHEM CO LTD;

INVENTOR : NITTA KATSUZO;

INT.CL : C04B 12/04 C04B 7/24 C04B 7/32 C04B 28/26 //(C04B 28/26 , C04B 14:30 ,
C04B 14:06 , C04B 16:06), (C04B 28/26 , C04B 14:06 , C04B 16:06)

TITLE : CURABLE INORGANIC COMPOSITION

ABSTRACT : PURPOSE: To obtain a curable inorganic composition capable of producing an inorganic formed article having excellent strength and durability.

CONSTITUTION: This composition is composed of 100 pts.wt. of an inorganic powdery material comprising 0.5-80wt.% of one or more of aluminum based additives selected from the group consisting of alumina cement, γ -alumina, flame sprayed alumina and sodium meta-aluminate and 99.5-20wt.% of the flyash having activated surface and an average particle diameter of $\leq 5.0\mu\text{m}$ obtained by subjecting flyash to a pulverization treatment, 3-200 pts.wt. of an alkali-metal silicate and 3-200 pts.wt. of water.

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(C) WPI / DERWENT

XP-002389191

AN - 1995-290083 [38]

AP - JP19930327477 19931224

CPY - SEKI

DC - L02

FS - CPI

IC - C04B7/24 ; C04B7/32 ; C04B12/04 ; C04B28/26

MC - L02-C03 L02-C07

PA - (SEKI) SEKISUI CHEM IND CO LTD

PN - JP7187734 A 19950725 DW199538 C04B12/04 005pp

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XIC - C04B-007/24 ; C04B-007/32 ; C04B-012/04 ; C04B-028/26 ; (C04B-014/06
C04B-014/30 C04B-016/06 C04B-028/26) ; (C04B-014/06 C04B-016/06
C04B-028/26)

AB - J07187734 Inorganic compsn. contains Al system additives contg. one or
more of alumina cement, gamma alumina, thermally sprayed alumina (in
total) 0.5-80 wt. %, inorganic powder (by wt. rate) 100, which
contains fly-ash 99.5-20 wt. % of average grain dia. less than 5.0
mum, with alkali metal silicate: 3-200 and water: 3-200.

- ADVANTAGE - Effective utilisation of fly-ash as industrial waste.

- (Dwg. 0/0)

C - C04B28/26 C04B14/06 C04B14/30 C04B18/06 ;

- C04B28/26 C04B14/06 C04B18/06

IW - HARDEN INORGANIC COMPOSITION CONTAIN ALUMINIUM SYSTEM ADDITIVE
CONTAIN

ALUMINA CEMENT GAMMA ALUMINA THERMAL SPRAY ALUMINA INORGANIC POWDER

CONTAIN FLY ASH ALKALI METAL SILICATE

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CONTAIN FLY ASH ALKALI METAL SILICATE

NC - 001

OPD - 1993-12-24

ORD - 1995-07-25

PAW - (SEKI) SEKISUI CHEM IND CO LTD

TI - Hardenability inorganic compsn. contg. aluminium system additives -
contains alumina cement, gamma alumina and/or thermally sprayed
alumina, inorganic powder which contains fly-ash and alkali metal
silicate

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